Dialler

HA2000 RTC

Installation & Operating Manual

The easiest way to get to know the system and get it up and running quickly is to get all the devices and accessories programmed on a tabletop before locating and mounting them.

Kit Contents

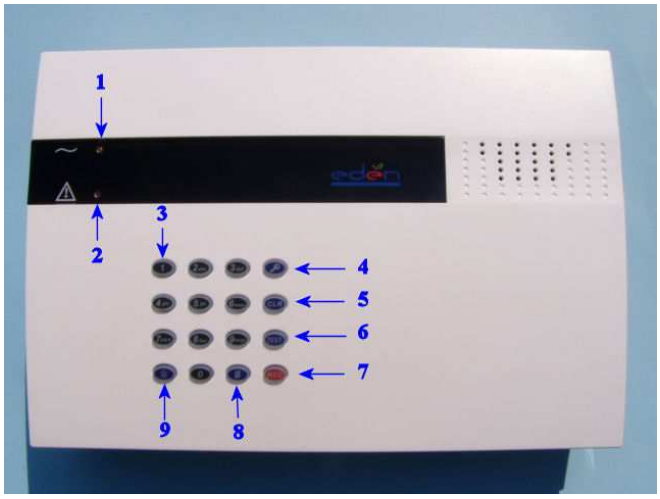
The Alarm System HA2000 should contain the following components:

- 1 x RTC Dialler HA2000RTC

- Extra Fixing pack
- Phone cable
- Batteries (4* alkaline D cells)

Application Overview

I. Identifying the parts



1. Yellow LED

- Power Indicator; the Yellow LED will light up for 2 seconds Power is on.
- Test Mode Indicator; Yellow LED flashes when in Test Mode.
- Yellow LED flashes every 3 seconds to indicate Report Faillure.
- Yellow LED flashes every 30 seconds to indicate Low Battery

2. Red LED

Red LED will flash when in recording , playing messages, reporting and when the phone is off-hook.

3. Numeric keys

4. "🔑" Key

In Normal Mode, press this key to set Telephone number and Terminal Polarity.

5. CLR Key

Use this key for deleting a digit, canceling the selection, aborting the current application and returning to the Normal mode etc.

6. TEST Key

In Normal mode, press this key to enter TEST mode.

7. REC Key

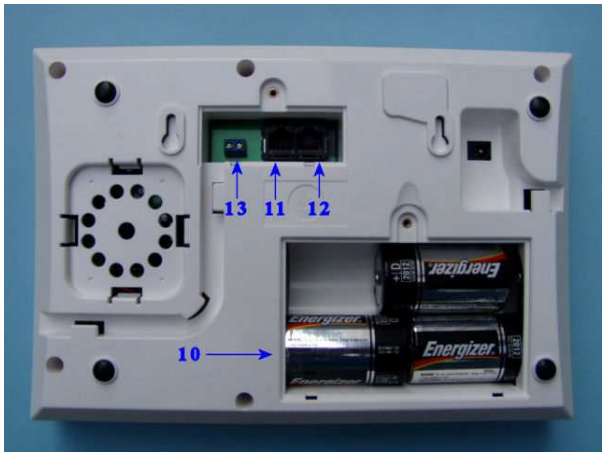
Press this key to start recording emergency messages.

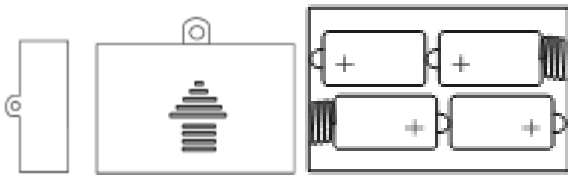
8. # Key

To dial as entered

9. * Key

To delay the dialling for 3 seconds.





10. Battery Compartment

For 4 x D-cell Alkaline Batteries.

11. Phone jack marked “Line”

This jack is for the connection to the phone line from the wall.

12. Phone jack marked “Phone”

This jack is for the connection to the Telephone unit.

13. Device Connection Terminal

The 2-Pin Device Connection Terminal is for connecting to wired detectors

II. The Power Supply

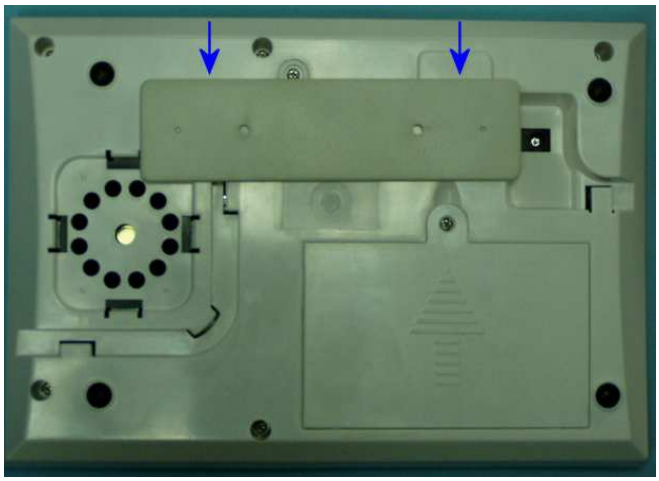
CTC-729G Auto Dialer features completely wire-free operation and uses four alkaline D cells. The battery-life is estimated for 2 years or more.

- **Battery Insertion:**

The battery compartment is a large box in the Control Panel with a lid secured with 1 screw.

- Remove the screw and take off the compartment lid.
- Insert the D cell alkaline batteries provided into the battery compartment, taking care to put the batteries in the right way around.
- The unit will give a long beep when the last battery is inserted.
- Replace the battery compartment with the screw taking care not to over tighten
- Close the lid and tighten the large lid fixing screw with a coin.

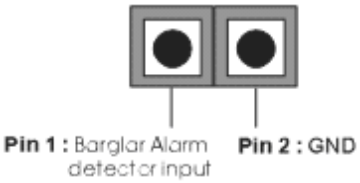
III. Connecting the telephone line



Two telephone jacks can be found from the rear for the connection of your telephone line and telephone set.

- Remove the Wall Mounting Bracket as shown.
- Plug one end of the enclosed telephone cable into the socket jack on the wall.
- Plug the other end of the enclosed telephone cable into the socket marked “**Line**”.
- Plug your telephone set into the other socket marked “**Phone**”.

IV. Device Connection Terminal



- Pin 1 provide Dry Contact input for wired detector
- For wired PIR detectors, Door Contact, Water detectors, Panic buttons and Broken Glass detectors, connect Pin 1 to Pin 2

- **To Set Terminal Polarity**

The polarity of the Device Connection Terminal can be set following these steps:

Step 1. Press “🔑” key when the Dialer is in Normal Mode to enter Programming mode.

The YELLOW LED will flash.

Step 2. Enter “Pin Designated Number”

"7" for Pin 1

Step3. Enter "Polarity Designated Number"

"0" for " - " polarity (Default)

"1" for " + " polarity

Step 4. Press "CLR" to exit to Normal mode or the Auto Dialer will automatically exit this mode when 5-second time out is up.

V. Getting Started

● Learn HA2000RTC

Step 1. Put the Dialer in Learn Mode by pressing "TEST" and "9". Yellow LED will start to flash.

Step 2. Please enter the submenu "Program Siren" of "Devices +/-" from the Control Panel HA2000, then select "Learn Siren", press "OK" to send a signal to the Auto Dialer (HA2000RTC).

Step 3. The Auto Dialer will recognize the signal as the learn code and sound one long beep and two short beeps to indicate the learning process is completed

Step 4. Press "CLR" on the Auto Dialer to exit Learn Mode.

<NOTE>

- ☞ The learning code is stored into EEPROM and will not be lost during power failure.
- ☞ The Auto Dialer will sound 2 sets of continuous 2 beeps if the Learning Code has been received previously.
- ☞ The Auto Dialer automatically exit Learn Mode after a 3-minute Time Out.
- ☞ By Pressing "TEST", "9" and "*", Control Panel will be removed from the Auto dialer..

● Learn HA2000SOS

Step 1. Put the Dialer in Learn Mode by pressing "TEST" and "9". Yellow LED will start to flash.

Step 2. Press the button on HA2000SOS to transmit the signal.

Step 3. The Auto Dialer will recognize the signal as the learn code and sound one long beep and two short beeps to indicate the learning process is completed

<NOTE>

- ☞ Iif the HA2000RTC has been learnt in, you must remove it to learn HA2000SOS, and vice versa.
- ☞ The Auto Dialer will sound 8 short beeps indicating either HA2000SOS or Control Panel has been learnt-in and must be removed first.
- ☞ By Pressing "TEST", "9" and "*", HA2000SOS will be removed from the Auto dialer..

Configuring your Dialer

I. Store Telephone Numbers

To store the telephone numbers, follow the steps below.

Step 1. Press " " key when the Dialer is in Normal mode to enter Programming mode.

The YELLOW LED will flash.

Step 2. Enter "Priority Order Number" (1~6).

Select Your Priority Order Number:

A) By Singular Sequence:

11, 12, 13, 14, 15, 16

B) By Alarm Event:

1) Burglar/Panic/Technical: 21, 22

2) Fire/ Gas: 31, 32

3) Medical: 41, 42.

- ☞ If the Priority Order Number is selected by Alarm Event, the Dialer will dial the programmed phone number depending on the type of alarming signal received.
- ☞ No
- ☞ If no phone number has been stored for a particular Alarm Event, the dialer will automatically dial in sequence of other available Alarm Event phone numbers in regardless of the original Alarm signal

received.

Step 3. Key in phone number (max. 20 digits) and follow by pressing " " to complete.

<NOTE>

- ☞ The maximum length of a number is 20 digits including " * " & "#".
- ☞ During entering the number, pressing "**CLR**" will abort this process and the Dialer returns to Normal Mode.
- ☞ **Special Characters for Setting**

  Two special keys " * " & " # " are provided to help you to store the number:

- ☞ " * "represents a 3 seconds delay or pause and the Dialer will not dial " * ".
- ☞ "#"represents a 3 seconds delay or pause and the Dialer will dial "# " if it is entered as the last digit of the phone number.
- ☞ **Storing a pager number**

  Pager number – " * " - "# " – Identity code – "# " - "OK "

  The Identity code is a number that you can key in at your discretion. This enables the recipient to know the call is from the Auto Dialer.

  You can choose to use any number of " * " or "# " to match the protocols of the pager system used in your area.

- ☞ **Storing a Telephone Number in EPABX phone system**

  EPABX Access code 0/9/8 –" * "– Tel. Number – "OK"

  You can add as many " * " as required.

- ☞ **Storing a Telephone Number with extension number**

  Tel number – " * " – " * " – extension number – "OK"

  You can add as many " * " as required.

II. Change Telephone Numbers

To edit the telephone numbers, follow the steps as to store the telephone numbers described in previous section and enter the new phone numbers to override the programmed numbers.

III. Delete Telephone Numbers

To delete the telephone numbers, follow the steps as to store the telephone numbers described in previous section and press " " without entering any new phone numbers.

IV. Record Messages

CTC-729 offers a total of 20-second Voice Recording Time and it is divided into 2 messages numbered as below:

Message#1: Burglar (3 seconds)

Message#2: Fire (3 seconds)

Message#3: Panic (3 seconds)

Message#4: Medical (3 seconds)

Message#5: Common Address (8 seconds)

To record these messages, follow the steps below.

Step 1. Press "**REC**" **key** when the Dialer is in Normal mode to enter Recording mode.

YELLOW LED flashes.

Step 2. Enter "Message Number" (1 or 5).

Step 3. Press "REC" again to hear a long beep and the RED LED lights up.

Step 4. Start to record your message and **press "CLR"** when done or wait for the timer to run out.

V. Edit Messages

To edit the messages, follow the steps as to store the messages described in previous section and record a new message to overlap the stored

message.

VI. Erase Messages

- **To erase a particular stored message, follow the steps below:**

Step 1. Press "**REC**" **key** when the Dialer is in Normal Mode to enter Recording mode.

YELLOW LED flashes.

Step 2. Enter "Message Number" (1 or 5).

Step3. Press "CLR" to erase that message and the Auto Dialer will sound 2 short beeps to indicate successful deletion.

- **To erase all stored messages:**

Step 1. Press "**REC**" **key** when the Dialer is in Normal Mode to enter Recording mode.

YELLOW LED flashes.

Step 2. Press "0"

Step 3. Press "CLR" again to hear 2 short beeps to indicate successful deletion.

Testing your Dialer

I. Test Dial the Telephone Numbers for Reporting

- **To test dial the telephone numbers, follow the steps below.**

Step 1. Press "**TEST**" **key** when the Dialer is in Normal Mode to enter Test mode.

The YELLOW LED starts to flash.

Step 2. Enter "Priority Order Number" (11~16 or 21, 22, 31, 32, 41, 42).

The Dialer will dial the phone number as instructed and play the message accordingly.

The RED LED lights up during dialing and reporting.

<NOTE>

☞ To identify line failure make sure message have been recorded and that you have stored a telephone number to test dial

☞ Test timer is 85 seconds

II. Test Play the Messages

- **To test play one particular message:**

Step 1. Press "**TEST**" **key** when the Dialer is in Normal Mode to enter Test mode.

The YELLOW LED starts to flash.

Step 2. Press "0"

Step 3. Enter "Message Number" (1 ~ 5).

The Dialer will playback the recorded message as instructed.

The RED LED lights up while the message is played.

- **To test play all recorded messages:**

Step 1. Press "**TEST**" **key** when the Dialer is in Normal Mode to enter Test mode.

The YELLOW LED starts to flash.

Step 2. Press "0"

Step 3. Press "0" again and the Dialer will play back all recorded messages in the order of its Message Number.

The RED LED lights up while the message is played.

III. Range Test

Step 1. Press "**TEST**" **key** when the Dialer is in Normal Mode to enter Test mode.

The YELLOW LED starts to flash.

Step 2. Press " * "

The Dialer enters "Range Test" mode.

Both LEDs start to flash together.

Step 3. Send a signal from the Control Panel to the Auto Dialer.

The Dialer will play a short tune twice to indicate it has successfully received at this distance range.

Step 4. Press "CLR" to exit Test mode.

<NOTE>

☞ Correct the distance range to allow the Dialer to be within the transmission range of the Control Panel if Dialer is unresponsive to the signal.

☞ If no signal is received in 3 minutes, the Auto Dialer automatically exits Test mode and returns to Normal mode

Operation

1. Auto Dialing

- Upon receiving the signal from the Control Panel, the Auto Dialer will dial out and play the appropriate message to summon help.
- If no message or no telephone number is stored, the Dialer will not dial to report.
- When only one telephone number is stored and that number is engaged, the Dialer will automatically redial that number up to maximum of 5 times with an interval of 62 sec. between dialing attempts.
- When two or more telephone numbers are stored, the Dialer will dial in accordance to the Priority Order Number. If the number being dialed is engaged, it will try the next number.
- Each phone number will be tried for maximum rotation of 5 times with an interval of 5 seconds between each phone number.
- After dialing a phone number and the line is not engaged, the Dialer will automatically play the appropriate message for 80 seconds.
- If a certain type of alarm occurred without the corresponding message recorded, the Dialler will play the subsequent message.
- When the Auto Dialler has received 2 successful acknowledgements from the recipients, it will stop dialling.

<NOTE>

☞ When each phone number is dialed 5 times without any acknowledgement, "**Failure**" status is reported and the Dialer returns to Normal Mode with a fault warning beep and Yellow LED flashing every 3 seconds to remind the user.

☞ **Only** during diallings, if the Dialler receives a Disarm signal from the Control Panel, the Dialler will ignore it and continue the dialing process.

☞ While dialling, if PIN code (0000) and "**CLR**" are pressed, you will hear a long beep, the Dialler stops any reporting immediately and for HA2000RTC, it will also send a Disarm signal to the Control Panel.

2. Call Acknowledgment

- If the recipient successfully receives the call, he should acknowledge it by pressing the "9", "0", or "1" button on his telephone set:

Acknowledging with signal "9"

If the recipient presses "9" on his phone set as the acknowledging signal, he will hear a long beep. The Dialler will then take the following actions.

☞ The Dialler will cancel all auto dialling.

Acknowledging with signal "0"

If the recipient presses "0" on his phone set as the acknowledging signal, he will hear a long beep. The Dialler will then take the following actions.

☞ The Dialler will go back on-hook.

☞ The Dialler will accept this successful acknowledgment and continue to dial the next phone number.

Acknowledging with signal "1"

If the recipient presses "1" on his phone set as the acknowledging signal. The Dialler will then take the following actions.

For HA2000RTC:

☞ The Dialler will open the Two Way Communication Path. Please see "Two Way Voice Communication" in next section for details.

☞ The Dialler will accept this signal as successful acknowledgement.

3. Opening the Two Way Communication HA2000RTC only

- HA2000RTC, after sending the alarm message and receiving a DTMF "**1**" signal from the recipient, will open up the Two Way Voice Communication immediately.
- The Two Way Voice Communication channel enables you to talk to the recipient and permit

him/her to listen into what is happening on your side through the microphone & speaker on the unit.

- The Communication channel, once opened, lasts for 3 minutes. The recipient will hear repeated beep sound 15 second before the Dialer hangs up the line.
- If the recipient wants to have more time to listen, he can press the "**1**" button on his telephone set again to add another 3 minutes.

<NOTE>

☞ When the two ways communication channel are opened, the Control Panel will then stop the audible alarm to allow speech communication.

4. Terminating the Two Way Communication

After two-way voice communication has been initiated, the recipient can terminate the communication by sending DTMF "0" or "9" signal.

Terminating by signal "0"

If DTMF "**0**" signal is received, the two way voice communication will terminate. Dialer will continue to dial the next phone number and activate the Control Panel Siren.

Terminating by signal "9"

If DTMF "**9**" signal is received, the two-way voice communication will terminate. The Dialer will cancel any further dialing and leave the Control Panel Siren off as it is.

<NOTE>

☞ In any case, if the two-way voice communication is not terminated by the recipient, the Dialler will automatically go on-hook as it is terminated by signal "**0**" within 3 minutes of voice communication time period.

5. Incoming Call

Step 1. Dial HA2000RTC, listen to 2 dial tones and hang up

Step 2. Wait between 10s and 30s and dial again.

Step 3. Listen to 2 beeps from the receiver.

Step 4. Press PIN Code (0000) and if the operations were successful dialer will hear a long beep

Step 5. Press the following numbers on the phone to activate specific functions:

- ☞ Press "1" to activate 2-way communication. Listen to 3 beeps.
- ☞ Press "2" to activate Arm Mode. Listen to two beeps from the reciever. The Control Panel will perform a long beep.
- ☞ Press "3' to activate Disarm Mode. Listen to a beep from the receiver. The Control Panel will sound two beeps
- ☞ Press "9" or "0" to disconnect. Listen to 5 beeps from the receiver.

<NOTE>

- ☞ During incoming call if the Control Panel HA2000 activates an alarm, Dialer will do 6 beeps and will immediately disconnect the phone line. Then the HA2000RTC prepares for reporting.
- ☞ If Dialer have not learnt in from the Control Panel or HA2000SOS, the function to Arm or Diarm from phone is disabled.

How to install the Auto Dialer

The Dialer can be mounted on the wall or placed on the tabletop.

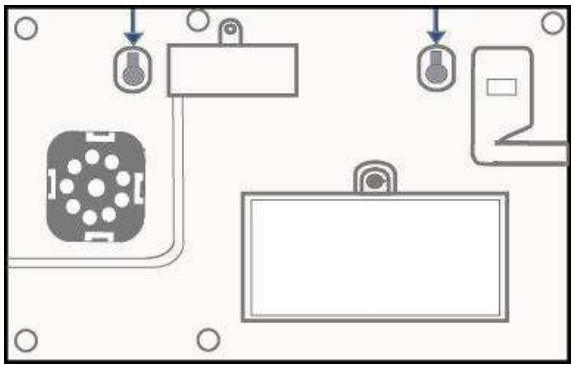
Wall mount

The easiest way to get to know the system and get it up and running quickly is to get all the devices and accessories programmed on a tabletop before locating and mounting them.

The Control Panel can be mounted on the wall or wherever desired. Ensure the Control Panel is fitted at approximately chest height where the display can be easily seen and the keypad convenient to operate.

- Find a suitable location for the Auto Dialer to be installed.

- Put the dialer in test mode. Correct the distance range to allow the Dialer to be within the transmission range of the Control Panel if Dialer is unresponsive to the signal.
- Using the 2 holes of the Wall Mounting Bracket as a template, mark off the holes' positions.
- Drill 2 holes and fix the screws & plugs provided.
- Hook the HA2000RTC unit onto the Wall Mounting Bracket (holding the unit with the front facing you).



Specifications:

Common Technical Specification:

- Radio frequency: 868.6375MHz +-2.5ppm
- Modulation/ Demodulation: Narrow band FM @ 15KHz bandwidth with VCTCXO (Temperature compensated Crystal)
- Sensitivity: >105dbm @S/N +20db
- Transmission power: E.I.R.P. -8dbm +-3db
- Operation range: 300 meters in open space
- Code combinations: 16 777 216 codes
- Temperature range:-20℃ +45℃
- Humidity: up to 90%

HA2000RTC

- Vocal, user recordable voice message.
- 4 different specific messages and 1 main message
- 6 called numbers.
- Fully battery powered with battery life 2 years.
- Remote call cancellation thru DTMF.
- Possible remote control (arming/disarming) of indoor siren + control panel by DTMF
- Integrated loudspeaker + microphone : dual communication
- Possible wired triggering signal thru internal terminals NO or NF loops.
- Possible use with distress pendent only as a phone alert system for elderly people.

Guaranty

This product is guarantee 4 years except the batteries. The first year is by standard exchange. The 3 years left, the guarantee is for parts and labours.

Please contact, the technical line, following your country, to confirm the default and the guarantee process.

France:

Eden: **0825 560 650**

Web site: www.eden.fr

Holland:

Elro: **0900 208 8888**

Web site: www.elro-nl.com

Belgium:

Dutch speaking

Elro: **070 2330031**

French Speaking

Eden: **0033 825 560 650**

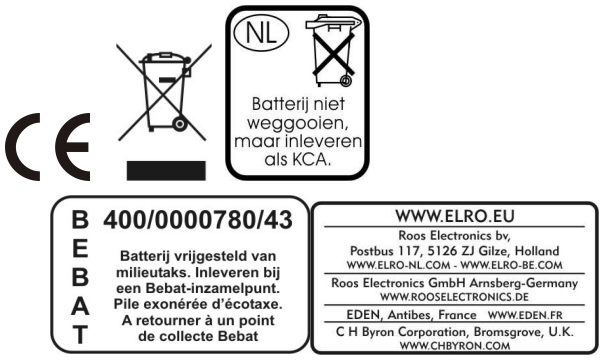
Germany:

Elro: **0049 17755 24123**

England:

Byron: **0845 230 1231**

Website: www.chbyron.com


NL
Batterij niet weggooien, maar inleveren als KCA.
B E B A T
400/0000780/43
Batterij vrijgesteld van milieutaks. Inleveren bij een Bebat-inzamelpunt.
Pile exonérée d'écotaxe. A retourner à un point de collecte Bebat
WWW.ELRO.EU
Roos Electronics bv, Postbus 117, 5126 ZJ Gilze, Holland
WWW.ELRO-NL.COM - WWW.ELRO-BE.COM
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